

Level 1 Validation Certificate



This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 9/19/2019

Water Supplier

Supplier Name:	Yorba Linda Water District
Supplier Participants:	Anthony Manzano, Delia Lugo

Key Audit Metrics

Data Validity Score:	71	
ILI:	2.07	
Real Loss:	38.01	gal / conn / day
Apparent Loss:	8.04	gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	4.2%	

Validator

Validator:	Reinhard Sturm, Water Systems Optimization
Validator Qualifications:	Water Audit Validator Certificate from the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

If not, rejected recommendations are included here.

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: Yorba Linda Water District

Water Supplier Public Water System ID: CA3010037

Water Audit Period: FY19 (July 2018 – June 2019)

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

YLWD conducted volumetric tests and meter calibration tests of its groundwater wells; completed QA/QC of its Customer Billing System and Geographic Information System for data accuracy; implemented its robust internal leak detection program and incorporated repair data into an asset management software program; and routinely reviewed daily SCADA production reports and investigated and resolved any anomalies.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Brett R. Barbre

Executive Position: General Manager

Signature:



Date

September 28, 2021